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- 1        55. (Amended) An implantable valve for a bodily passage of tubular  
2        shape, comprising:  
3              a support frame configured for expansion to conform to a wall of the  
4        bodily passage, said support frame when expanded providing a plurality  
5        of side elements each defining a path extending at least partially  
6        longitudinally along the wall and at least partially circumferentially around  
7        the wall,  
8              a plurality of leaflets comprising an extracellular collagen matrix  
9        material, each leaflet thereof having a body extending from a wall-  
10      engaging outer edge to an inner edge proximate a corresponding inner  
11      edge of at least one other leaflet of the plurality of leaflets,  
12              the inner edges of said plurality of leaflets cooperable to define an  
13      opening therebetween to permit fluid flow in a first direction along the  
14      bodily passage, and further cooperable to engage each other sufficiently to  
15      restrict fluid flow in a second direction opposing the first direction,  
16              the outer edge of each one of the plurality of leaflets attached along  
17      one side element of said plurality of side elements and thereby adapted to  
18      directly engage the wall of the bodily passage therearound and provide  
19      ingrowth of adjacent native tissue into the extracellular collagen matrix  
20      material.

Please add the following claims:

- 1        56. (New) The implantable valve of claim 55 wherein the collagen matrix  
2        material comprises submucosal tissue.  
  
1        57. (New) The implantable valve of claim 55 wherein the collagen matrix  
2        material comprises small intestinal submucosa.

1       58. (New) An implantable valve for a bodily passage of tubular shape,  
2       comprising:

3               a frame that includes a plurality of legs, each of the legs originating  
4       from a pair of bends located about a first end of the implantable valve, and  
5       extending in an opposite direction therefrom, each of the plurality of legs  
6       terminating at a second end of the implantable valve opposite the first end  
7       such that the plurality of legs generally assume a serpentine configuration  
8       along the circumference of a bodily passage when situated therein,

9               a plurality of leaflets, each leaflet comprising a covering that includes  
10      one or more flexible materials, the leaflet including a body that comprises  
11      a wall-engaging outer edge and an inner edge, the outer edge at least  
12      partially attached to, and reinforced by one of the plurality of legs, the outer  
13      edge and the associated leg adapted to sealingly engage the inner wall of  
14      the bodily passage,

15               wherein the body of the leaflet extends inward from the wall of the  
16      bodily passage and extending toward the first end of the implantable valve  
17      where it terminates at the inner edge, the body and inner edge traversing  
18      the lumen of the bodily passage when situated therein and being  
19      configured such that the leaflet is cooperable with at least one other leaflet  
20      to define an opening that permits positive flow of fluid therethrough in a  
21      first direction, while the plurality of leaflets are further adapted to trap  
22      between the leaflets and the inner wall of the bodily passage fluid flowing  
23      in a second direction opposite the first direction and seal against one  
24      another to restrict fluid flow in said second direction; and

25               wherein the frame is adapted to assume a plurality of configurations,  
26      a first configuration of the plurality of configurations being a generally flat  
27      plane.

1       59. (New) An implantable valve for a bodily passage of tubular shape,  
2       comprising:

3           a frame that includes a plurality of legs, each of the legs originating  
4       from a pair of bends located about a first end of the implantable valve, and  
5       extending in an opposite direction therefrom, each of the plurality of legs  
6       terminating at a second end of the implantable valve opposite the first end  
7       such that the plurality of legs generally assume a serpentine configuration  
8       along the circumference of a bodily passage when situated therein,

9           a plurality of leaflets, each leaflet comprising a covering that includes  
10      one or more flexible materials, the leaflet including a body that comprises  
11      a wall-engaging outer edge and an inner edge, the outer edge at least  
12      partially attached to, and reinforced by one of the plurality of legs, the outer  
13      edge and the associated leg adapted to sealingly engage the inner wall of  
14      the bodily passage,

15           wherein the body of the leaflet extends inward from the wall of the  
16      bodily passage and extending toward the first end of the implantable valve  
17      where it terminates at the inner edge, the body and inner edge traversing  
18      the lumen of the bodily passage when situated therein and being  
19      configured such that the leaflet is cooperable with at least one other leaflet  
20      to define an opening that permits positive flow of fluid therethrough in a  
21      first direction, while the plurality of leaflets are further adapted to trap  
22      between the leaflets and the inner wall of the bodily passage fluid flowing  
23      in a second direction opposite the first direction and seal against one  
24      another to restrict fluid flow in said second direction; and

25           wherein the frame is adapted to assume a plurality of configurations,  
26      a first configuration of the plurality of configurations being a generally flat  
27      plane; and

28           wherein the covering includes two leaflets such that when the frame  
29      in the generally flat configuration generally assumes a diamond shape with  
30      the inner edges of the two leaflets defining a slit therebetween.

Remarks